What is claimed is:

1	1. A method for rejecting a component from a pick/place
2	head in a component placement machine, the steps comprising:
3	a) providing a component placement machine
4	comprising a housing adapted for movement along an X and
5	a Y axis above a printed circuit board and having a frame
6	rotatably attached thereto, said frame having a plurality
7	of pick/place heads disposed thereupon;
8	b) providing a vision system comprising a camera
9	contiguous with said housing;
	•
10	c) picking a component from a supply of components
11	using at least one of said plurality of pick/place heads;
12	d) capturing an image of said picked component, and

e) providing a reject station contiguous with said housing and adapted to receive a component; and

picked component is placeable or non-placeable;

processing said captured image to determine whether said

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- f) rejecting said picked component into said reject
 station when said picked component is determined to be
 non-placeable.
- 2. The method for rejecting a component from a
 pick/place head in a component placement machine as recited in
 claim 1, the steps further comprising:
- g) placing said picked component onto a printed circuit board at a predetermined location when said picked component is determined to be placeable.
- 3. The method for rejecting a component from a

 pick/place head in a component placement machine as recited in

 claim 1, wherein said rejecting step (f) comprises means for

 releasing said picked component form said at least one of a

 plurality of pick/place heads such that the said picked

 component is deposited into said reject station.
- 4. The method for rejecting a component from a

 pick/place head in a component placement machine as recited in

 claim 1, wherein said rejecting step (f) is accomplished

 substantially completely during at least one of said picking

 step (c) and said placing step (g).